

TABLE 1

	Amorphous PES		Block PES		Other PES		Coloring agent	CCA	Wax	External additive			
	Kind	Content (pts.wt)	Kind	Content (pts.wt)	Kind	Content (pts.wt)				Content with respect to 100 parts by weight of powder for manufacturing toner (pts.wt)	Rutile-anatase type titanium oxide	Silica with relatively small size	Silica with relatively large size
Example 1	PES-A	80	PES-B	20	-	-	6	1	2	1	1	0.5	-
Example 2	PES-A	80	PES-C	20	-	-	6	1	2	1	1	0.5	-
Example 3	PES-A	80	PES-B	20	-	-	6	1	2	0.2	1	0.5	-
Example 4	PES-A	80	PES-B	20	-	-	6	1	2	2	1	0.5	-
Example 5	PES-A	95	PES-B	5	-	-	6	1	2	1	1	0.5	-
Example 6	PES-A	55	PES-B	45	-	-	6	1	2	1	1	0.5	-
Example 7	PES-A	40	PES-B	60	-	-	6	1	2	1	1	0.5	-
Example 8	PES-A'	95	PES-B	5	-	-	6	1	2	1	1	0.5	-
Example 9	PES-A'	55	PES-B	45	-	-	6	1	2	1	1	0.5	-
Example 10	PES-A'	40	PES-B	60	-	-	6	1	2	1	1	0.5	-
Example 11	PES-A	80	PES-B	20	-	-	6	1	2	1	1	-	-
Example 12	PES-A	80	PES-B	20	-	-	6	1	2	1	1	0.5	1
Example 13	PES-A	85	PES-B'	15	-	-	6	1	2	1	1	0.5	-
Example 14	PES-A	90	PES-B'	10	-	-	6	1	2	1	1	0.5	-
Example 15	PES-A	85	PES-B'	15	-	-	6	1	2	0.2	1	0.5	-
Example 16	PES-A	85	PES-B'	15	-	-	6	1	2	2	1	0.5	-
Example 17	PES-A	85	PES-B'	15	-	-	6	1	2	1	1	-	-
Example 18	PES-A	85	PES-B'	15	-	-	6	1	2	1	1	0.5	1
Com. Ex. 1	PES-A	100	-	-	-	-	6	1	2	1	1	0.5	-
Com. Ex. 2	-	-	PES-C	100	-	-	6	1	2	1	1	0.5	-
Com. Ex. 3	PES-A	80	-	-	PES-D	20	6	1	2	1	1	0.5	-

Table 2

	Average particle size of toner (μm)	Average roundness R of toner	Acid value of toner (KOHmg/g)	Average length of crystals (nm)	Coating ratio with external additive(%)	Ratio of free rutile-anatase type titanium oxide (wt%)	$G(0.01)/G(\Delta t)$
Example 1	7.5	0.96	0.8	500	160	1.2	2.8
Example 2	7.5	0.96	0.8	400	160	1.4	3.7
Example 3	7.5	0.96	0.8	500	120	0.8	2.8
Example 4	7.5	0.96	0.8	500	220	2.0	2.8
Example 5	7.5	0.97	0.8	300	160	1.4	6.5
Example 6	7.5	0.96	0.8	600	160	1.2	2.6
Example 7	7.5	0.95	0.8	700	160	1.1	2.3
Example 8	7.5	0.97	0.8	300	160	1.4	7.2
Example 9	7.5	0.96	0.8	600	160	1.2	2.6
Example 10	7.5	0.95	0.8	700	160	1.1	2.3
Example 11	7.5	0.96	0.8	500	150	1.2	2.8
Example 12	7.5	0.96	0.8	500	190	1.2	2.8
Example 13	7.5	0.96	0.8	600	160	1.0	2.5
Example 14	7.5	0.97	0.8	500	160	1.3	3.9
Example 15	7.5	0.96	0.8	600	120	0.7	2.6
Example 16	7.5	0.96	0.8	600	220	1.8	2.4
Example 17	7.5	0.96	0.8	600	150	1.1	2.6
Example 18	7.5	0.96	0.8	600	190	1.1	2.4
Com. Ex. 1	7.5	0.99	0.6	-	160	1.5	9.5
Com. Ex. 2	7.5	0.95	0.7	1,000	160	1.5	2.0
Com. Ex. 3	7.5	0.95	0.8	3,000	160	1.6	7.8

Table 3

	Temperature range in which good fixation is ensured (°C)	Evaluation of temperature range in which good fixation is ensured	Durability in development	Storage stability
Example 1	130-190	A	A	A
Example 2	130-170	B	B	A
Example 3	120-190	A	B	A
Example 4	140-190	B	A	A
Example 5	120-170	B	B	A
Example 6	150-210	A	A	A
Example 7	170-220	B	A	A
Example 8	130-170	B	B	A
Example 9	160-210	B	A	A
Example 10	180-220	B	A	A
Example 11	120-190	A	B	A
Example 12	140-200	A	A	A
Example 13	130-210	A	A	A
Example 14	120-200	A	B	A
Example 15	120-210	A	B	A
Example 16	140-210	A	A	A
Example 17	120-210	A	B	A
Example 18	140-220	A	A	A
Com. Ex. 1	120-150	C	C	C
Com. Ex. 2	140-160	C	B	A
Com. Ex. 3	140-170	C	C	B